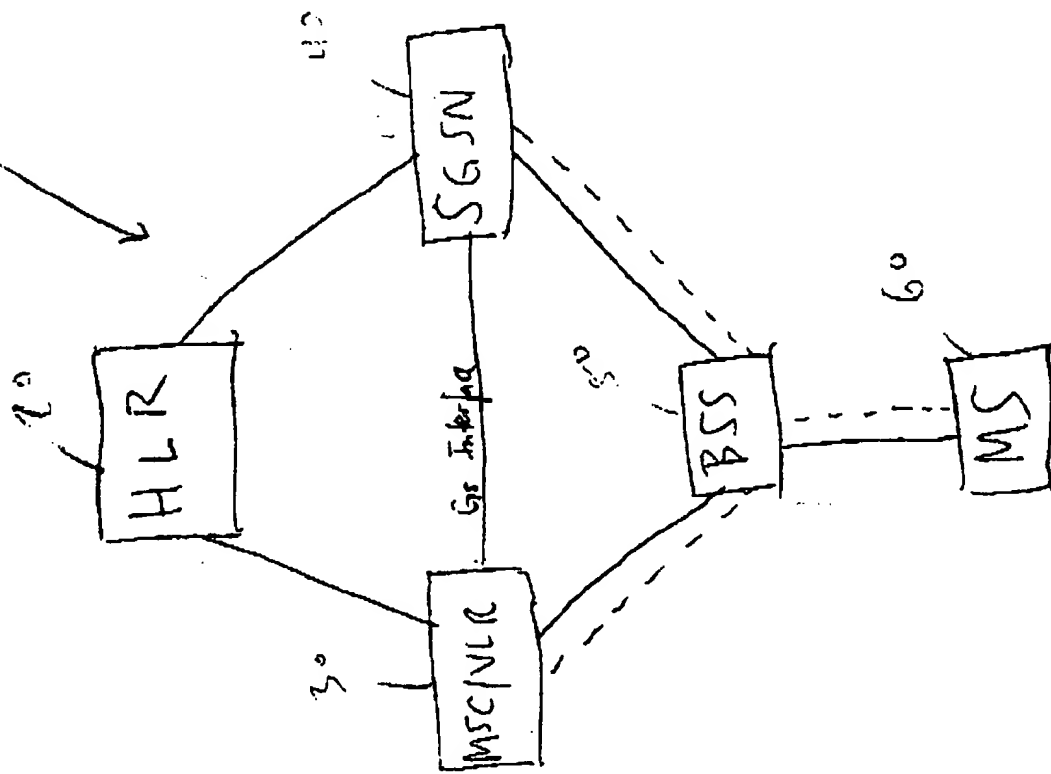


--- Call/transport path
 --- Signaling/control path

GOOSE 1000



(PRIOR ART)

Figure 1

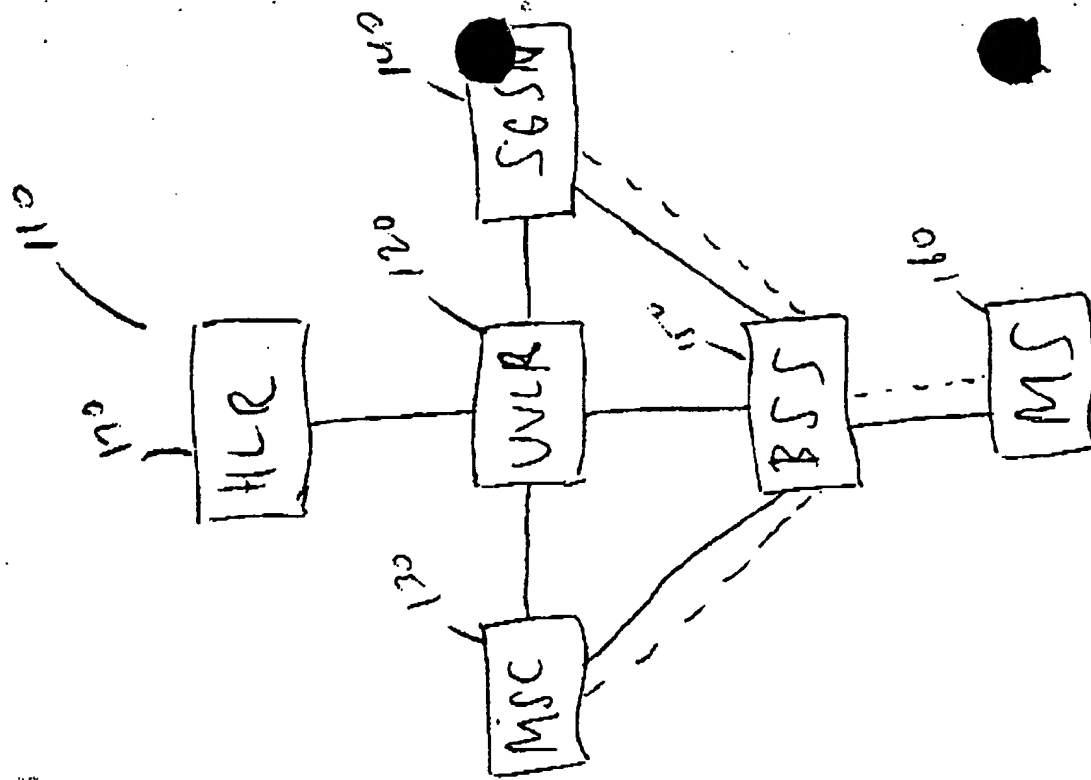
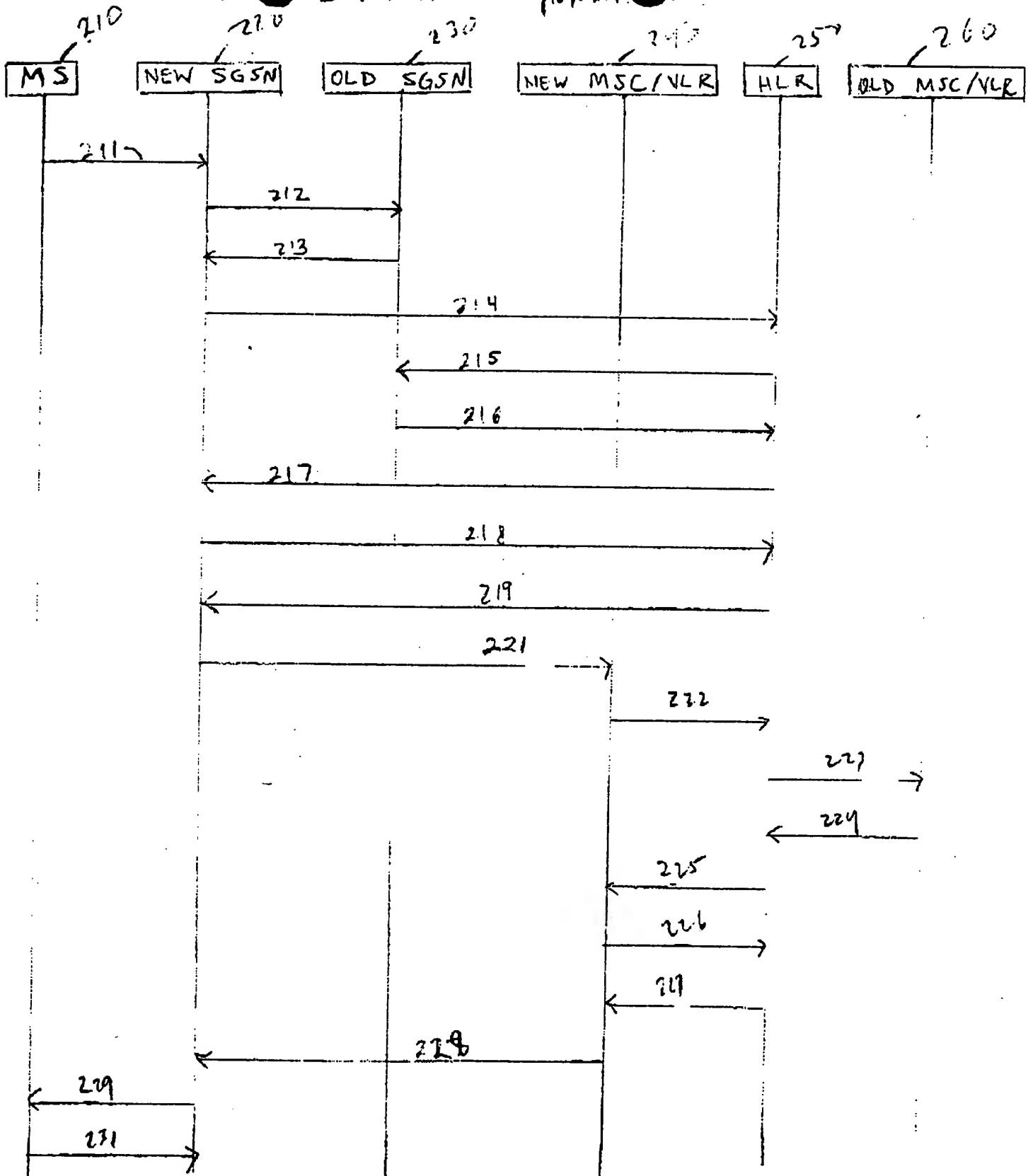


Figure 2

Current Implementation



(PRIOR ART)

Figure 3

2025-11-20 14:20:00

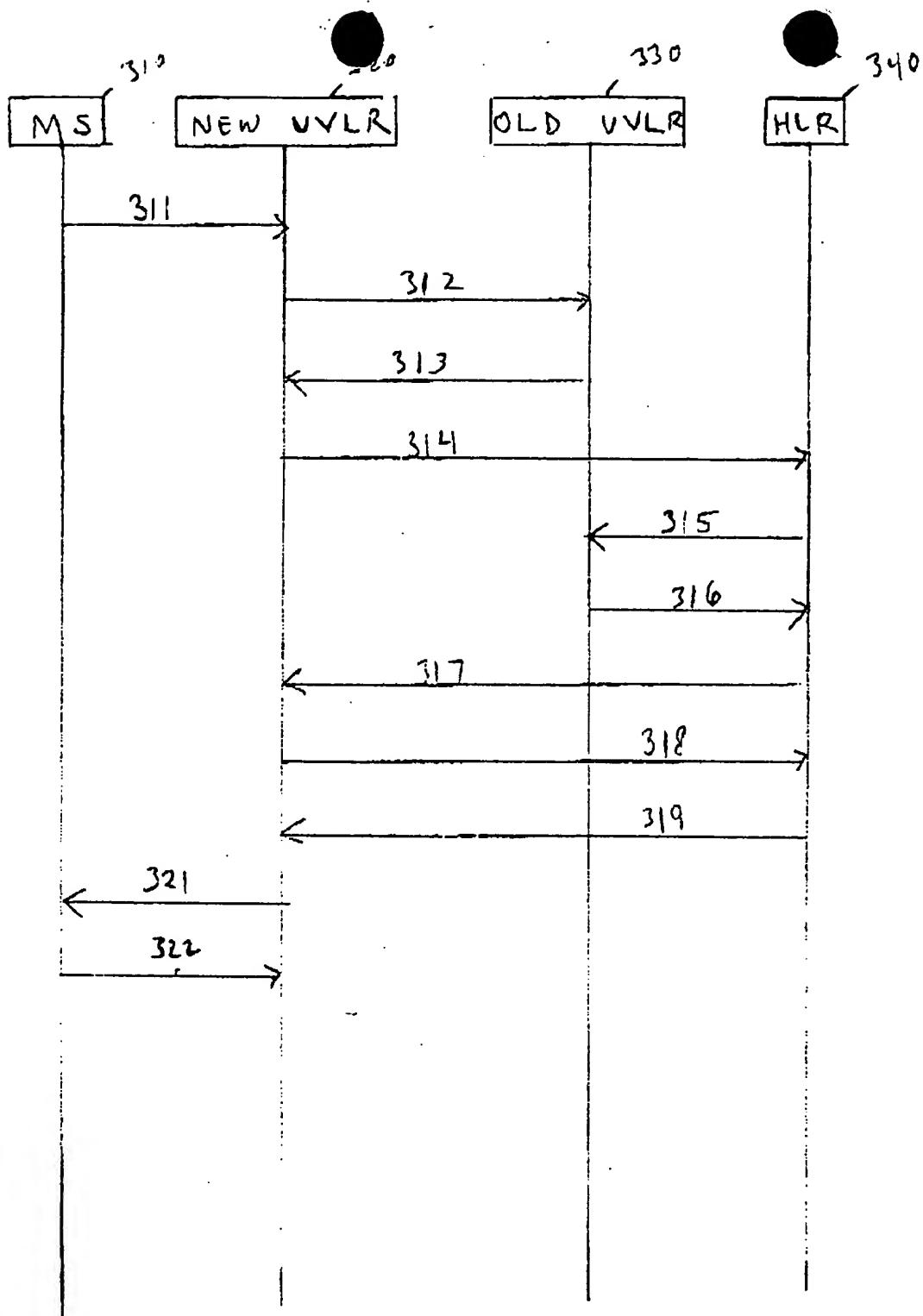
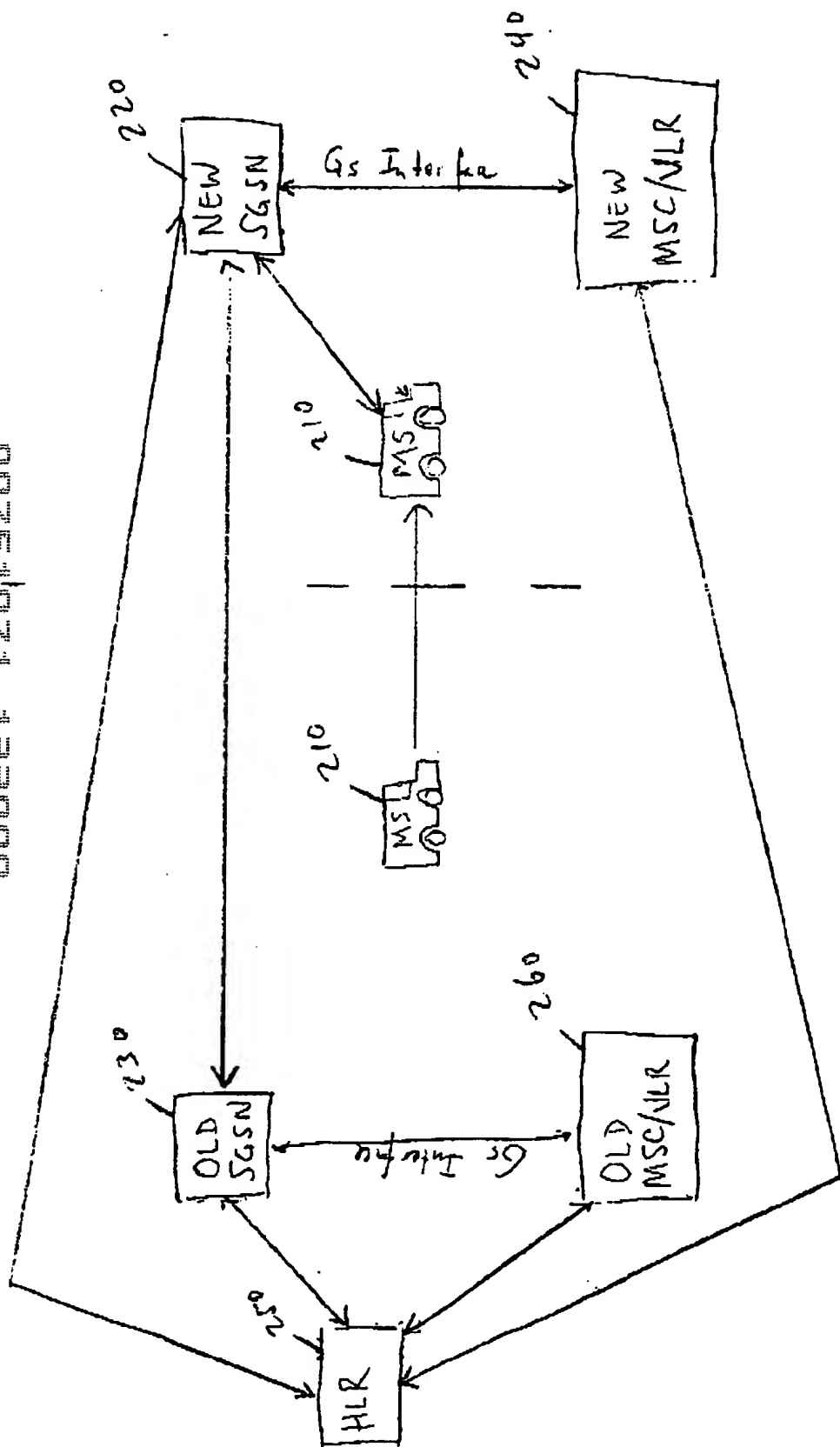


Figure 4



(PRIOR ART)

Figure 5

NEW SERVICE AREA

OLD SERVICE AREA

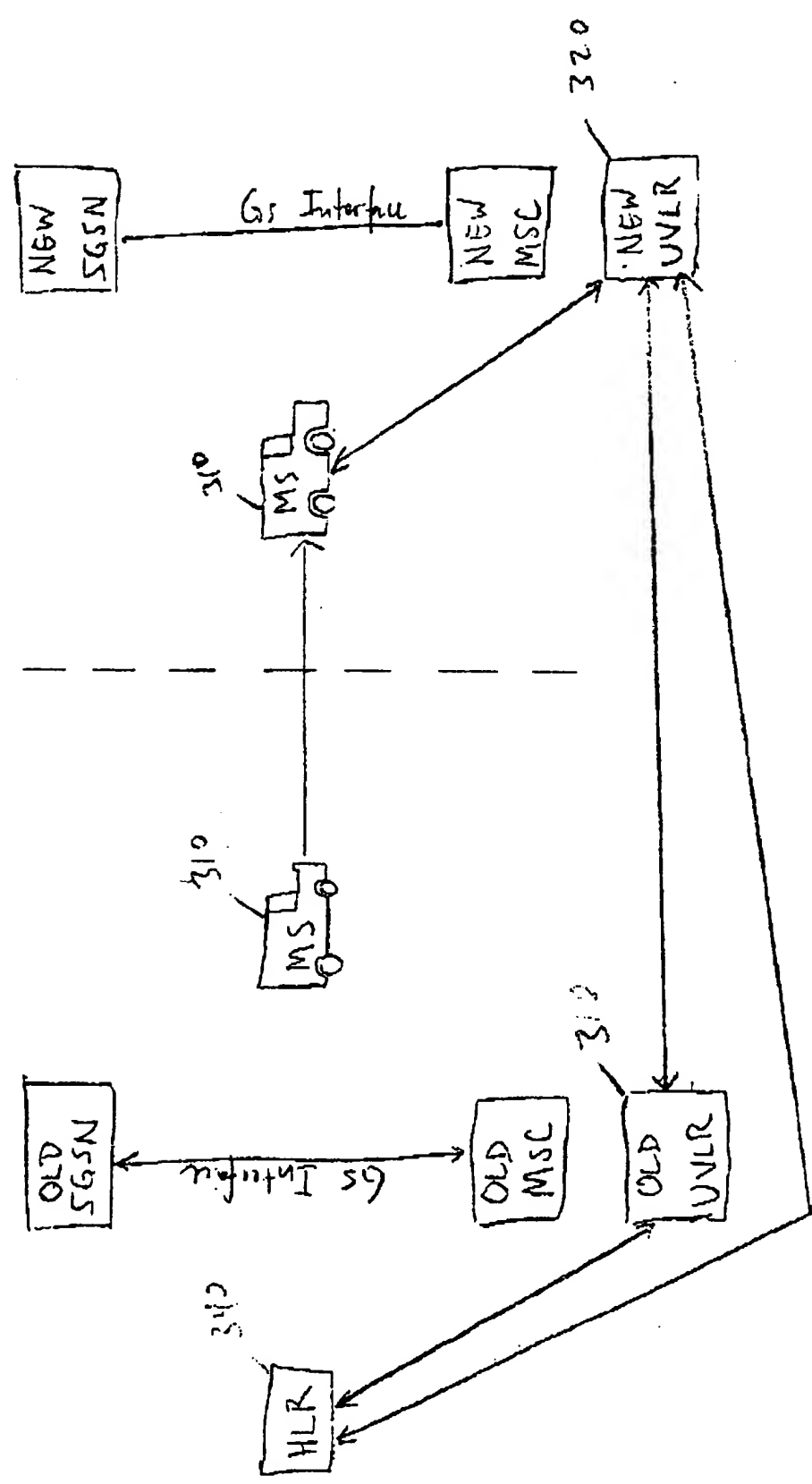


Figure 6

Receive routing area
update request from MS 4100

Send context request
to old VLR 4110

Receive context response
from old VLR 4120

Request subscriber data
from HLR 4130

HLR sends cancel
location to old VLR 4140

old VLR sends
cancel location acknowledgment
to HLR 4150

Receive subscriber data
from HLR 4160

Store subscriber data
in new VLR 4170

MS - mobile station

VLR - universal visitor
location register

HLR - home location
register

Figure 7

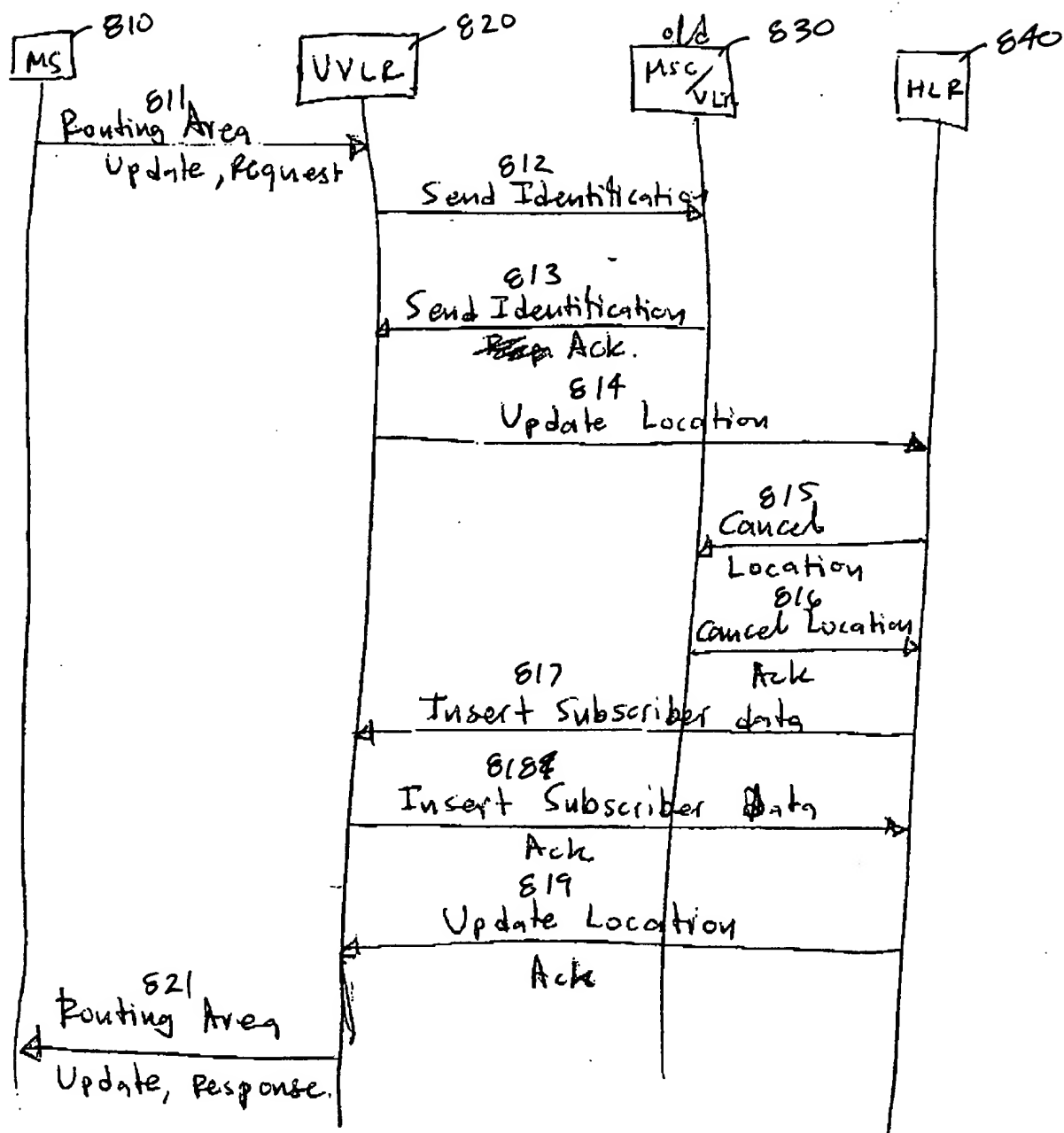


FIG. 8

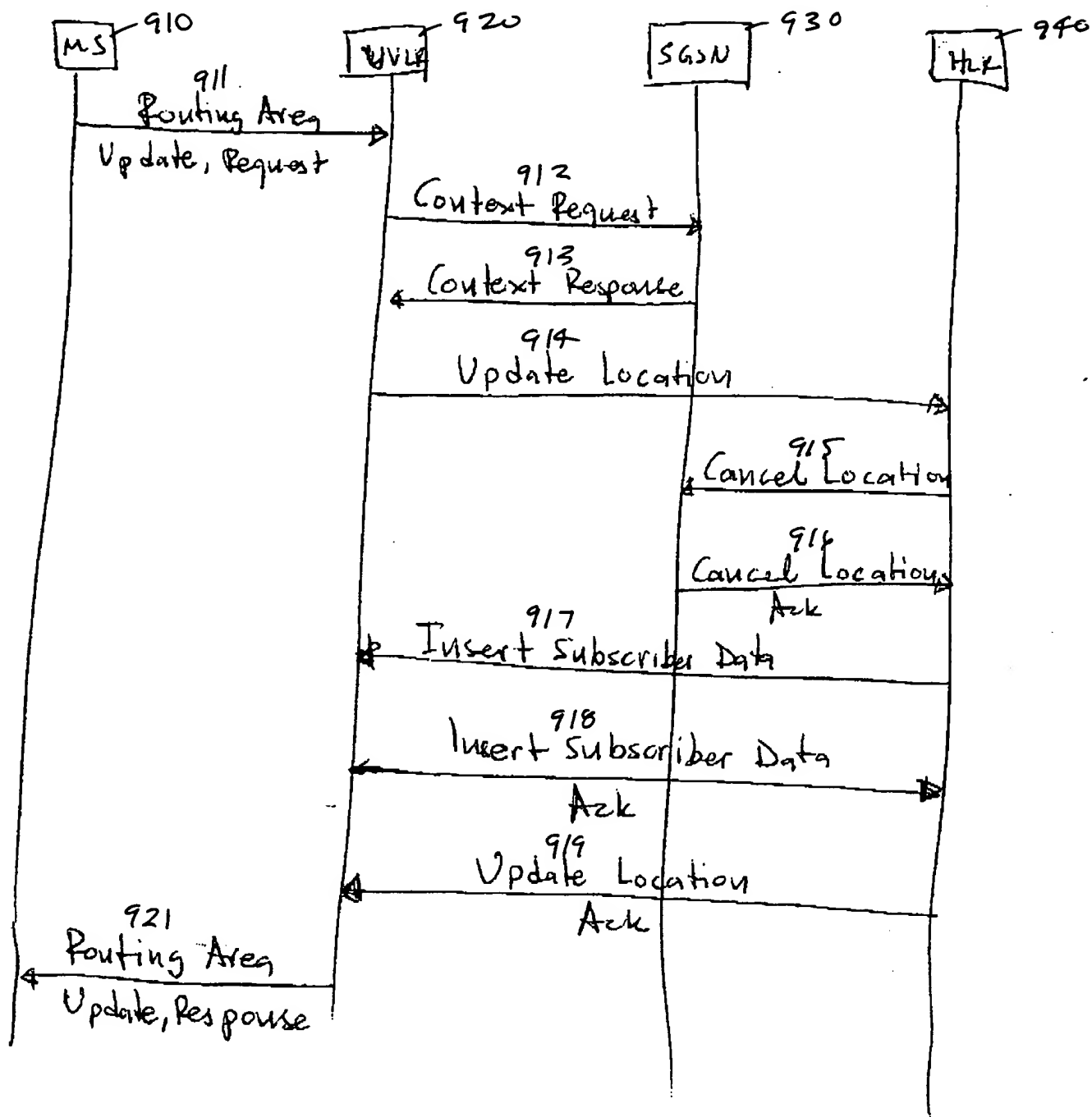


FIG. 9

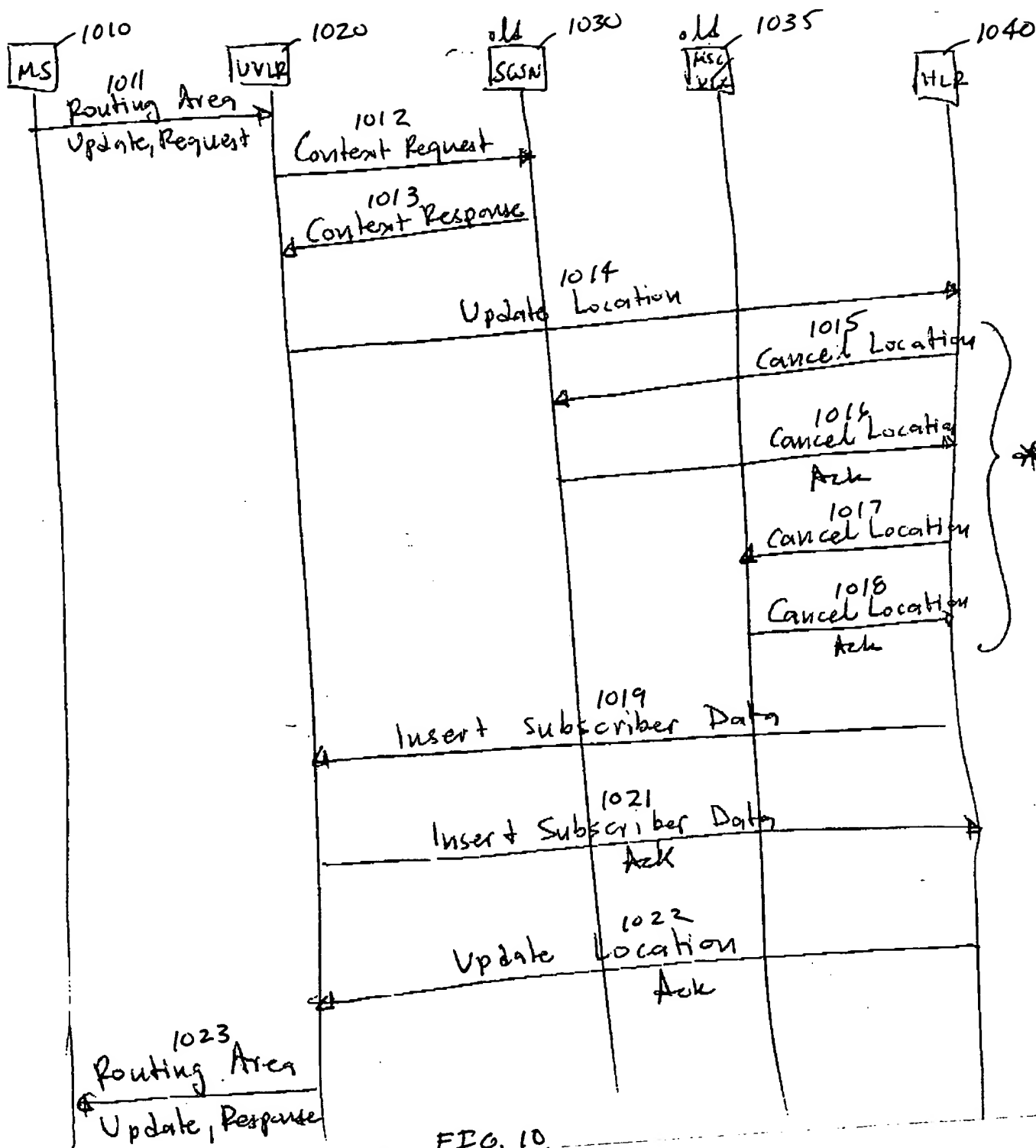


FIG. 10